PATENT APPLICATION



In re application of

Docket No: Q79804

Hiroshi UEDA, et al.

Appln. No.: 10/774,498

Group Art Unit: 1714

Confirmation No.: 8709

Examiner: Unknown

Filed: February 10, 2004

For:

PROCESS FOR PREPARING A BIARYL COMPOUND

<u>INFORMATION DISCLOSURE STATEMENT</u> <u>UNDER 37 C.F.R. §§ 1.97 and 1.98</u>

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith.

A. Sentissi et al., "Pentafluorobenzenesulfonyl Chloride: A New Electrophoric
Derivatizing Reagent with Application to Tyrosyl Peptide Determination by Gas
Chromatography with Electron Capture Detection", Analytical Chemistry (1984), 56
(13), pp. 25-12-2517.

- 2. S. Boisnard et al., "A high throughput synthesis of aryl triflate and aryl nonaflate promoted by a polymer supported base (PTBD), Tetrahedron Letters (1999), 40 (42), pp. 7469-7472.
- 3. WO 01/12183, published February 22, 2001.
- 4. WO 00/43372, published July 27, 2000.
- 5. WO 01/36376, published May 25, 2001.
- 6. Japanese Patent Application Publication No. 2001-212185, published April 3, 2001 with English Abstract.
- 7. WO 97/24342, published July 10, 1997.
- 8. Japanese Patent Application Publication No. 2000-212185, published August 2, 2000 with English Abstract.
- 9. J.W. Janetka et al., "Total Synthesis of the Cyclic Biphenyl Ether Peptides K-13 and OF4949-III via S_NAr Macrocyclization of Peptidyl Ruthenium π -Arene Complexes", J. Am. Chem. Soc., (1997), 119, pp. 6488-6495.
- 10. Bulletin of the Journal of Chemical Society of Japan, (2000), 73(1), pp. 231-235.
- 11. Australian Journal of Chemistry, (1966), 19(12), pp. 2361-2372.
- 12. Journal of Medicinal Chemistry, (1977), 20(12), pp. 1584-1588.
- 13. WO 02/39997, published May 23, 2002.
- 14. Tetrahedron (2002), 58(15), pp. 3101-3110.
- 15. Tetrahedron Letters (2002), 43(12), pp. 2211-2214.
- 16. Journal of Organic Chemistry (1996), 61(9), pp. 2922-2923.

Hiroshi UEDA et al. Appln. No. 10/774,498 INFORMATION DISCLOSURE STATEMENT

- 17. Journal of Medicinal Chemistry (1991), 34(3), pp. 1125-1136.
- 18. European Patent Application No. 339549, published November 2, 1989.
- 19. U.S. Patent No. 6,403,584 issued June 11, 2002.
- 20. U.S. Patent No. 2002-0010199 issued January 24, 2002.
- 21. WO 01/96303, published December 20, 2001.
- 22. WO 01/96304, published December 20, 2001.
- 23. WO 01/77113, published October 18, 2001.
- 24. WO 01/47874, published July 5, 2001.
- 25. WO 01/44226, published June 21, 2001.
- 26. WO 01/14328, published March 1, 2001.
- 27. WO 00/77027, published December 21, 2000.
- 28. WO 00/76971, published December 21, 2000.
- 29. WO 00/76970, published December 21, 2000.
- 30. Journal of Organic Chemistry (2001), 66(1), pp. 348-350.
- 31. WO 99/26921, published June 3, 1999.
- 32. DE 4443892, published June 13, 1996.
- 33. Journal of Organic Chemistry (1996), 61(9), pp. 2922-2923.
- 34. WO 95/30673, published November 16, 1995.
- 35. Japanese Patent Application No. 53-103440, published September 8, 1978.
- 36. WO 01/47867, published July 5, 2001.
- 37. WO 00/71572, published November 30, 2000.

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Appln. No. 10/774,498

INFORMATION DISCLOSURE STATEMENT

The present Information Disclosure Statement is being filed: (1) No later than three

months from the application's filing date; (2) Before the mailing date of the first Office Action

on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after

filing a request for continued examination (RCE) under §1.114, and therefore, no Statement

under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such

document constitutes prior art against the claims of the present application. Applicant does not

waive any right to take any action that would be appropriate to antedate or otherwise remove any

listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue

Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any

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Respectfully submitted,

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Date: May 28, 2004

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Complete if Known stitute for Form 1449 A & B/PTO 10/774,498 **Application Number** INFORMATION DISCLOSURE Confirmation Number 8709 Filing Date February 10, 2004 First Named Inventor Hiroshi UEDA Art Unit 1714 (use as many sheets as necessary) **Examiner Name** Unknown Q79804 Attorney Docket Number

U.S. PATENT DOCUMENTS							
Examiner	Cite	Document Number		Publication Date			
Initials*	No.1	Number	Kind Code ² (if known)	MM-DD-YYYY	Name of Patentee or Applicant of Cited Document		
		US 6,403,584	Α	06/11/2002			
		US 2002-0010199	A	01/24/2002			

FOREIGN PATENT DOCUMENTS							
Examiner	Cite No.1	Foreign Patent Document		Publication Date	Name of Patentee or		
Initials*		Country Code ³	Number ⁴	Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Translation ⁶
		wo	01/12183		02/22/2001		
	-	wo	00/43372		07/27/2000		
		WO	01/36376		05/25/2001		
		JР	2001-212185	Α	04/03/2001		English Abstract
		WO	97/24342		07/10/1997	-	
		JР	2000-212185	Α	08/02/2000		English Abstract
		wo	02/39997	A2	05/23/2002		
		EP	339549	A2	11/02/1989		
		wo	01/96303	Α	12/20/2001		,
		wo	01/96304	Α	12/20/2001		
		WO	01/77113	Α	10/18/2001		
		wo	01/47874	A	07/05/2001		
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		JP	53-103440		09/08/1978		
		wo	01/47867		07/05/2001		
		wo	01/71572		11/30/2000		

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
		A. Sentissi et al., "Pentafluorobenzenesulfonyl Chloride: A New Electrophoric Derivatizing Reagent with Application to Tyrosyl Peptide Determination by Gas Chromatography with Electron Capture Detection", Analytical Chemistry (1984), 56 (13),	
	•	pp. 25-12-2517.	

			
Examiner Signature		Date Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.

Substitute for Form 1449 A & B/PTO	Com	Complete if Known		
3.5	Application Number	10/774,498		
INFORMATION DISCLOSURE	Confirmation Number	8709		
STATEMENT BY APPLICANT	Filing Date	February 10, 2004		
	First Named Inventor	Hiroshi UEDA		
(use as many sheets as necessary)	Art Unit	1714		
FRANCIS Reet 2 of 2	Examiner Name	Unknown		
heet 2 of 2	Attorney Docket Number	Q79804		

U.S. PATENT DOCUMENTS								
		Document Nu	ımber					
Examiner Initials*	Cite No. ¹	Number	Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document			
		US						
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FOREIGN PATENT DOCUMENTS								
Examiner	Cite	Foreign Patent Document			Publication Date	Name of Patentee or		
Initials*	No.1	Country Code ³	Number ⁴	Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Translation ⁶	

E!	C!4-	NON PATENT LITERATURE DOCUMENTS	т
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
		J.W. Janetka et al., "Total Synthesis of the Cyclic Biphenyl Ether Peptides K-13	
	V	and OF4949-III via S_N Ar Macrocyclization of Peptidyl Ruthenium π -Arene	
		Complexes", J. Am. Chem. Soc., (1997), 119, pp. 6488-6495.	
		S. Boisnard et al., "A high throughput synthesis of aryl triflate and aryl nonaflate promoted by a polymer supported base (PTBD), Tetrahedron Letters (1999), 40(42), pp. 7469-7472.	
	1	Bulletin of the Journal of Chemical Society of Japan, (2000), 73(1), pp. 231-235.	
	J,	Australian Journal of Chemistry, (1966), 19(12), pp. 2361-2372.	
	Ú,	Journal of Medicinal Chemistry, (1977), 20(12), pp. 1584-1588.	
	V ,	Tetrahedron (2002), 58(15), pp. 3101-3110.	
	J	Tetrahedron Letters (2002), 43(12), pp. 2211-2214.	
	1	Journal of Organic Chemistry (1996), 61(9), pp. 2922-2923.	
	<i>J.</i>	Journal of Medicinal Chemistry (1991), 34(3), pp. 1125-1136.	
	./	Journal of Organic Chemistry (2001), 66(1), pp. 348-350.	
	1	Journal of Organic Chemistry (1996), 61(9), pp. 2922-2923.	
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